

Converting Colors

XYZ(28.0633, 17.1661, 48.8480)

Have a look what the booklet for
XYZ(28.0633, 17.1661, 48.8480)
contains.

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Color

**XYZ(28.0633, 17.1661,
48.8480)**

Conversions

Conversions Part 1

Format	Color
Hex	AA4BBB
RGB	170, 75, 187
RGB Percent	67%, 29%, 73%
CMY	0.3333, 0.7059, 0.2667
CMYK	0.09, 0.60, 0.00, 0.27
HSL	291°, 45%, 51%
HSV	291°, 60%, 73%
XYZ	28.0633, 17.1661, 48.8480
YIQ	116.1730, 20.6680, 54.9720

Conversions

Conversions Part 2

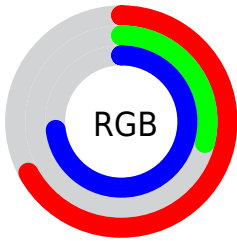
Format	Color
R_{YB}	170, 75, 187
Decimal	11160507
CIE _{Lab}	48.47, 55.06, -41.95
CIE _{LCh}	48, 69.223, 322.695
Yxy	17.1661, 0.2983, 0.1825
Android (android.graphics.Color)	4289350587 (0xFFAA4BBB)
YUV	116.1730, 34.9177, 47.2063
Hunter-Lab	41.4320, 48.3981, -40.9001

Details

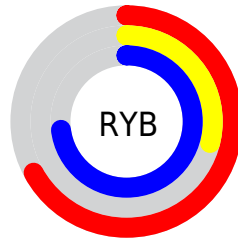
The XYZ color **28.0633, 17.1661, 48.8480** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **23.4545, 38.3244, 12.8186**, and the grayscale version is **16.5461, 17.4078, 18.9570**.

A 20% lighter version of the original color is **56.1743, 38.7261, 90.1021**, and **11.4609, 5.6524, 22.6773** is the 20% darker color. If you saturate the color by 10%, you get **26.3695, 14.6791, 48.4575**, and if you desaturate by 10%, it is **30.1443, 20.4068, 49.3641**.

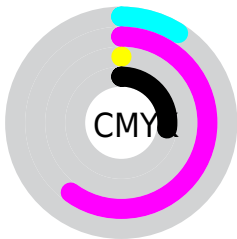
Distribution



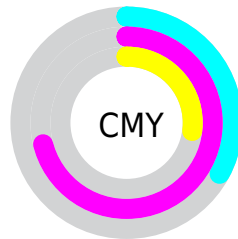
- Red (67%)
- Green (29%)
- Blue (73%)



- Red (67%)
- Yellow (29%)
- Blue (73%)



- Cyan (9%)
- Magenta (60%)
- Yellow (0%)
- Black (27%)





- Cyan (33%)
- Magenta (71%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.0633, 17.1661, 48.8480 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 28.0633, 17.1661, 48.8480 by changing the saturation by 10% instead.


 28.0633, 17.1661,
48.8480


 28.0633, 17.1661,
48.8480

284.8439,
236.1278, 398.7489


 18.5141, 10.3530,
34.1342


 55.9934, 38.6111,
89.8443

 11.4216, 5.6336,
22.7185


 75.1050, 54.0119,
116.9639


 6.4205, 2.6236,
14.1824


 98.1348, 73.0439,
149.0557

 3.1455, 0.9385,
8.1075

 125.4481, 96.0916,
186.5385

 1.2312, 0.0000,
4.0750

 157.4104,
123.5395, 229.8306

 0.1308, 0.0000,
1.6666

194.3868,

 0.0000, 0.0000,

155.7719, 279.3507

0.3377

236.7429,
193.1732, 335.5173

■ 0.0000, 0.0000,
0.0000

■ 28.0633, 17.1661,
48.8480

■ 28.0633, 17.1661,
48.8480

■ 26.3695, 14.6791,
48.4575

■ 30.1443, 20.4068,
49.3641

■ 25.0272, 12.8761,
48.1802

■ 32.6404, 24.4583,
50.0146

■ 23.9971, 11.6781,
48.0033

■ 35.5789, 29.3747,
50.8087

■ 23.2003, 10.9273,
47.9004

■ 38.9842, 35.2049,
51.7545

■ 23.1920, 10.9197,
47.8993

■ 42.8791, 41.9940,
52.8597

■ 47.2847, 49.7842,
54.1311

■ 52.2207, 58.6150,
55.5755

■ 57.7061, 68.5239,
57.1990

■ 63.7587, 79.5466,
59.0076

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



21.4869, 17.1661, 72.9630



28.0633, 17.1661, 48.8480



31.6446, 17.1661, 23.4922

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



28.0633, 17.1661, 48.8480



17.9159, 17.1661, 1.0442



7.4539, 17.1661, 35.6607

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



28.0633, 17.1661, 48.8480



23.4545, 38.3244, 12.8186

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



6.9638, 17.1661, 14.5930



28.0633, 17.1661, 48.8480



12.0491, 17.1661, 1.4394

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



28.0633, 17.1661, 48.8480



24.8775, 17.1661, 2.4020



8.4120, 17.1661, 4.5101



9.9855, 17.1661, 62.4989

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



28.0633, 17.1661, 48.8480



31.3360, 17.1661, 12.0192



8.4120, 17.1661, 4.5101



7.0773, 17.1661, 27.4632

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



28.0640, 17.1668, 48.8484



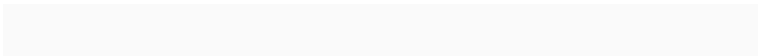
70.8763, 64.8794, 92.9888



15.8451, 13.0308, 48.6940



15.1863, 13.5583, 20.3592



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.0640, 17.1668, 48.8484



46.3743, 25.1044, 86.6028



28.4884, 17.7889, 30.6465



9.7838, 9.6209, 12.0136



16.0282, 7.5489, 33.0052



0.6669, 0.3159, 1.2947

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



24.9419, 16.3704, 11.9712



40.7947, 23.8488, 13.1144



23.6158, 38.2142, 21.5590



9.5876, 9.5593, 10.2174



14.2851, 7.3452, 1.5288



0.5785, 0.2953, 0.1599

Previews

White Background



This preview shows how the XYZ color 28.0633, 17.1661, 48.8480 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 28.0633, 17.1661, 48.8480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

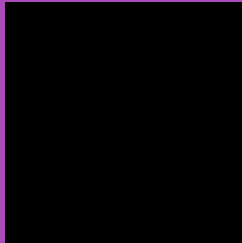
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.0633, 17.1661, 48.8480

Background



This preview shows how black text looks on a background with the XYZ color 28.0633, 17.1661, 48.8480.



This preview shows how white text looks on a background with the XYZ color 28.0633, 17.1661,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

28.0633, 17.1661, 48.8480

Protanopia

20.3952, 17.5923, 71.4280

Deuteranopia

17.8486, 17.3506, 45.5883



Tritanopia

21.2156, 17.1262, 15.5521

Trichromacy



Original Color

28.0633, 17.1661, 48.8480



Protanomaly

20.6898, 15.9600, 62.3117



Deuteranomaly

20.0438, 16.1106, 46.8530



Tritanomaly

23.1336, 16.8481, 24.9544

Monochromacy



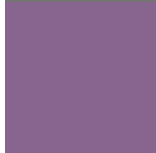
Original Color

28.0633, 17.1661, 48.8480



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

19.6895, 16.4946, 27.7372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0633, 17.1661, 48.8480 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(170, 75, 187)` looks like.

```
.text, #text, p{  
    color:rgb(170, 75, 187)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(170, 75, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 75, 187) }
```

Border

The CSS property to change the border of an element to XYZ 28.0633, 17.1661, 48.8480 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 75, 187) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(170, 75, 187) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(170, 75, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 75, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 75, 187);  
box-shadow:4px 4px 4px 4px rgb(170, 75,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0633, 17.1661, 48.8480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 75, 187) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(170, 75,  
187) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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